APPENDIX B
CompTIA Server+ Certification Exam: Practice Test 2

Choose the best answer available for each of the following multiple choice or matching questions. The answers to these questions are in Appendix F.

1. **Before starting any work on a computer to isolate and identify a problem, what cautionary action should you take?**

   a. Open a command prompt window

   b. Back up the entire hard disk

   c. Remove the hard disk drive

   d. Boot the computer from a floppy disk

2. **An SMA is an agreement that the software publisher commits to providing technical support, fixes, and updates for its product.**

   a. True

b. False

3. **Which of the following are common software issues? (Choose all that apply).**

   a. Corrupted system files

   b. Improperly installed software

   c. Malware attacks

   d. All the above

   e. None of the above

4. **If you are able to access a folder and its files on a remote network server, but you are unable to delete out-of-date files. What folder permission are you lacking?**

   a. Execute

   b. Read

   c. Write

   d. Delete

5. **What notification display is caused by a variety of issues, including bad device drivers, faulty hardware, or components exceeding their operating limits?**

   a. BSOD

   b. POST beep codes

   c. Flashing console lights

   d. Desktop freeze

6. **The condition created when a program fails to release allocated memory when it’s no longer in use is which of the following?**

    a. Memory overflow

    b. Memory parity error

    c. Memory crash

    d. Memory leak

7. **Which of the following can be used to identify corrupted files on a hard disk partition?**

    a. systemctl

    b. GRUB

    c. SFC

    d. UAC

8. **Of the following methods, which can be used to free up space on a hard disk drive?**

    a. Windows Disk Management

    b. Disk compression

    c. Virtual memory

    d. fdisk

9. **What is the feature that reserves a portion of the hard disk to extend the size and capacity of main memory?**

    a. Virtual machine

    b. Virtual memory

    c. Virtual disk

d. Virtual LAN

10. **Operating systems create and maintain a record of events, actions, errors, and warnings of the applications and services executing on a system. These records are recorded in what type of a file?**

    a. Spool

    b. Queue

    c. Log

    d. Index

    e. Registry

11. **The Windows WinSxS folder contains a variety of vital software components for installing, updating, backing up, and customizing the OS.**

    a. True

    b. False

12. **A local network host cannot complete its startup process without a successful interaction with the DHCP server. True or False.**

    a. True

    b. False

13. **What is the type of threat actor who has the objective to cause as much harm and destruction as possible, typically related to a social or political cause.**

    a. Script kiddie

b. Hacktivist

c. Insider

d. Cyberterrorist

14. **What is the formal name of a virtual structure that logically creates a broadcast domain through a switch port?**

    a. VPN

    b. VM

    c. VLAN

    d. ISL

15. **Which of the following is the term for a communication link that interconnects two switch interface ports and runs an IEEE 802.1Q protocol?**

    a. Frame relay

    b. Tagged port

    c. Flapping port

    d. Trunking port

16. **A network technician installs a number of network hosts in a new branch office located in another state. What command line utilities could she use to verify that each of the new hosts is able to "see" the network server in the home office? (Choose two).**

    a. nslookup

    b. ping

c. tracert/traceroute

d. ARP/RARP

17. **What is the Linux command-line utility used for displaying and modifying network interface configuration settings?**

    a. ifconfig

    b. ipconfig

    c. net config

    d. net setup

18. **Which of the following data storage devices has no storage-related moving parts?**

    a. HDD

    b. SDD

    c. DVD

    d. CD

19. **The Red Flags rule is intended to prevent physical theft?**

    a. True

    b. False

20. **What type of recovery facility has the needed computing, network, and communication equipment pre-installed that is synchronized to a production system on a weekly or monthly basis?**

    a. Cold site

b. Warn site

c. Hot site

d. Off-site

21. **The information needed by the boot process about a hard disk partition is found in what data block?**

a. Registry

b. MBR

c. Filesystem

d. Disk buffer

22. **On a Windows system, what system utility can view the contents of the system log files?**

a. Task Manager

b. Device Manager

c. Control Panel

d. Event Viewer

23. **What is the action that increases security by reducing the vulnerability of a workstation, server, and network.**

a. Anti-malware

b. Strengthening

c. Hardening

d. Port closure

24. **True or False: A virtual server is any server that hosts virtual private networks.**

    a. True

    b. False

25. **What is the standard height dimension of a rack unit or “U”?**

    a. 1.75 inches

    b. 2.75 inches

    c. 3.50 inches

    d. 50 millimeters

26. **What are the voltages produced by an ATX PSU for the internal components of server hardware? Choose all that apply?**

    a. +3.3VDC

    b. 110VAC

    c. +5VDC

    d. +/- 12VDC

    e. -48VDC

    f. 230VDC

27. **Which two of the following are differences between an HDD and an SDD? (Choose two.)**

    a. Rotational delay

    b. Access time

    c. Storage capacity

d. Form factor

28. **An SSD device uses which two of the following interfaces? (Choose two).**

    a. PATA

    b. SATA

    c. SCSI

    d. SAS

29. **Which of the following storage technologies describes a number of independent disks not configured into an array?**

    a. RAID

    b. DAS

    c. SAN

    d. JBOD

30. **Which of the following statements best describes a SAN?**

    a. One or more storage devices directly connected to a computer.

    b. A cluster of data storage devices that appear to be direct-attached storage.

    c. A self-contained storage device network and switches that provides high-speed access to data.

    d. Zoning that identifies the access permissions of servers and hosts.

31. **SAMBA is an implementation of which Application Layer protocols?**

    a. HTTP/FTP

    b. IPSec/WPA

    c. SBA/TCP

    d. SMB/CIFS

32. **What are the two redundancy methods applied in the different RAID levels? (Choose two).**

    a. Mirroring

    b. Compression

    c. Encryption

    d. Striping

33. **Which of the following is not a data redundancy level of RAID?**

    a. RAID 0

    b. RAID 1

    c. RAID 5

    d. RAID 10

34. **A system that is fully operational and accessible by users for a significant percentage of time is**

    a. Fault tolerant

    b. Fault averse

    c. High availability

    d. Extreme availability

35. **What is the type of authentication method that facilitates a user to sign into two or more applications or website through the entry of one set of credentials?**

    a. Federated user accounts

    b. MFA

    c. Single-sign-on

    d. Anonymous

36. **Which of the following is not a system resource managed by an operating system?**

    a. IRQ

    b. I/O address

    c. Device driver

    d. DMA address

37. **An operating has three primary parts. Which of the following is not one of those parts?**

    a. Device drivers

    b. Kernel

    c. Shell

    d. Filesystem

38. **What are the two most common firmware system configuration systems? (Choose two.)**

    a. CMOS

    b. BIOS

    c. FAT32

d. UEFI

e. APFS

39. **What identification identifies a server for the purposes of communication and access to network resources?**

    a. User account name

    b. Hostname

    c. Server name

    d. Group account name

40. **A network administrator wishes to power up and boot a remote PC attached to an organization's network. Which of the following services will enable this action?**

    a. QoS

    b. DMI

    c. PXE

    d. TFTP

41. **Which of the following best describes an IPv4 address?**

    a. Classless

    b. 5 classes of 32-bits in 4 octets

    c. 128-bits in 8 sections of 16 bits.

    d. Network identifier has fixed size.

42. **Which IPv4 address class uses 16 bits to identify the network portion of an address?**

a. Class A

b. Class B

c. Class C

d. Class D

e. IPv4 is classless.

43. **What network service provides an alias public address to internal network nodes with private LAN addresses?**

a. DHCP

b. DNS

c. WINS

d. NAT

44. **Which of the following is an example of CIDR notation?**

a. 2020::15AD:0:25FF

b. 201.110.25.16/24

c. 10.0.0.0

d. 198.168.32.10:80

45. **What is the significance of a double-colon inserted in an IPv6 address?**

a. It masks one or more sections not used for routing.

b. It masks one or more sections containing all zeroes.

c. It masks one or more sections containing FFFF16.

d. It indicates a TCP/UDP port number.

46. **What is the EIA/TIA 568 cabling standard for the maximum cable length between network stations?**

    a. 500 meters

    b. 185 meters

    c. 100 meters

    d. 90 meters

    e. 10 meters

47. **Which of the following is not a state in which data can exist?**

    a. Data-at-rest

    b. Data-in-transit

    c. Data-in-computation

    d. Data-in-use

48. **What device allows an administrator to use local input and output devices to control a remote system?**

    a. COM

    b. ITAM

    c. KVM

    d. LCAM

49. **KVM over IP is an example of what type of device or service?**

a. Localhost

b. Network-based administration

c. GUI

d. SSH

50. **A system administrator can use which of the following to manage the OS of a remote workstation?**

a. RSAT

b. CLI over SSH

c. VNC

d. RDP

e. All of the above

f. None of the above

51. **The management activities of information technology assets are known as:**

a. LCAM

b. ITAM

c. RSAT

d. iDRAC

52. **Which of the following is not a common form of system documentation?**

a. Service manuals

b. Architecture diagrams

c. Recovery plans

d. Typing tutor

53. **Effective documentation has four qualities: clear language, relative information, _____, and timeliness.**

a. policies

b. completeness

c. appropriateness

d. lengthy

54. **System documentation has four characteristics: purpose, effectiveness, _____, and completeness.**

a. availability

b. integrity

c. intended audience

d. currency

55. **Which of the following is not a phase of a change control process?**

a. Approval

b. Immediate application

c. Implement

d. Purpose

e. Scope

f. Test

56. **One difference between a change management program and a patch management program is**

    a. Patch management should be a priority.

    b. Patches should use the same change management process as major OS updates.

    c. Patch management requires no testing.

    d. A software patch only affects the user interface.

57. **What type of software provides scheduled device checks, including checks against pre-set thresholds, hard disk utilization, disk IOPS, and other system health metrics on a server?**

    a. Asset management systems

    b. SNMP-MIBs

    c. Server monitors

    d. Packet sniffers

58. **What is the significance of the IOPS metric?**

    a. It is an estimate of the maximum channel/bus bandwidth.

    b. It represents the maximum number of reads and writes (input/output operations) to and from non-contiguous storage locations on secondary storage devices.

    c. It reflects the number of independent operations a CPU performs in a second.

    d. It measures the number of I/O operations per second made by the CPU.

59. **A data security policy typically does not address which of the following elements?**

    a. Access control

    b. Encryption

    c. Backup and recovery

    d. Employee contact information

60. **The objective of a preventive maintenance program is to**

    a. Extend the service life of a server component

    b. Avoid component failures

    c. Maintain server uptime commitments

    d. All of the above.

61. **Improving process throughput and responsiveness by interconnecting two or more servers in a cluster to operate as a single device – describes what server configuration?**

    a. Active/active

    b. Active/passive

    c. Passive/passive

    d. Hot swappable

62. **As a best practice, in which of the following locations should antivirus software be installed? (Choose two)**

    a. Only on the administrator’s workstation

    b. Only on the domain controller

c. Only on the general manager’s workstation

d. On all servers

e. On all workstations

63. **Which of the following is the best description for an HCL?**

a. Permissions for network access and routing

b. An approved hardware list

c. Permissions for file sharing

d. The method for attaching a server to a SAN

64. **An administrator recently performed an upgrade of the NIC device drivers on several servers. The network is now experiencing lost packets and disconnected switches. Which of the following is the best action the administrator should take to resolve this issue?**

a. Restart the server and see if the issue still remains. If the issue still exists open a case with the OEM of the NIC.

b. Call the OEM of the NIC and open a case with them to investigate the issue. Roll back the NIC driver to the previous working revision.

c. Call the OEM of the NIC and open a case with them to investigate the issue.

d. Go to the OEM’s website and download another NIC driver to test.

65. **When a server issue is being diagnosed by a technician, what should the technician do to**

ensure that should the problem reoccur in the future, the process the technician uses could be duplicated in the future?

a. Verify system functionality and implement preventive measures.

b. Document the findings, actions, and outcomes throughout the process.

c. Determine if there is a common element or symptom.

d. Notify the impacted users before implementing any changes.

66. **What is the security control that validates one or more of a person's physical characteristics?**

a. OTP

b. Biometrics

c. RFID

d. Security cameras

67. **An administrator wishes to avoid users losing access to a file server in the event of a short power outage. What should the administrator do to ensure the server remains available during short power outages?**

a. Connect the server to a KVM.

b. Use cable management.

c. Connect the server to a redundant network.

d. Connect the server to a UPS.

68. **Which of the following access control policies assigns a user permission based on the duties or tasks of the user?**

    a. Scope-based

    b. Role-based

    c. Location-based

    d. Rule-based

69. **Before installing a server OS on an older computer, what should the technician do to ensure that the OS will operate properly?**

    a. Consult the HCL to ensure everything is supported.

    b. Migrate the physical server to a virtual server.

    c. Low-level format the hard drives to ensure there is no old data remaining.

    d. Make sure the case and the fans are free from dust to ensure proper cooling.

70. **When installing a new server with four network ports, the technician assigns two of the ports with the IP addresses of the replaced server. What should the technician do to complete the setup of the server and ensure that security best practices are followed?**

    a. Interconnect the unused ports to create an unusable loop.

    b. Disable the unused network ports on the server side.

    c. Connect the unused network ports to a network switch for future expansion.

d. Insert loopback adapters into the unused network ports.

71. **Which of the following is typically the software licensing type for cloud computing services?**

    a. Per socket

    b. Perpetual

    c. Subscription-based

    d. Site-based

72. **You host an application on a web server for Internet users to access. What protocol should be used to communicate with the application that ensures the data transfer between clients and the server is reliable?**

    a. TCP

    b. UDP

    c. IP

    d. ICMP

73. **What is the action that mirrors a storage device to another system or distributes parts of a database to multiple storage units spread out geographically.**

    a. Data replication

    b. Data duplication

    c. Data deduplication

    d. Backup

74. **You wish to set filtering on an FTP server and configure it to filter port 20. All FTP traffic be filtered now.**

    a. True

    b. False

75. **Which of the following describes differential backup?**

    a. A differential backup backs up all the information on the disk to an offline device such as tape.

    b. A differential backup backs up only the information that is added since previous differential backup.

    c. A differential backup backs up only the information that is added since last full backup.

    d. A differential backup backs up only the information that is added since last incremental backup.

76. **It is completely sufficient to install antivirus only on network servers and those systems that are exposed to internet.**

    a. True

    b. False

77. **Which of the following RAID levels should not be used as a fault tolerant measure?**

    a. RAID 0

    b. RAID 1

    c. RAID 3

    d. RAID 5

78. **Which of the following tape backup methods reset the archive bit? (Choose two.)**

    a. Differential

    b. Sequential

    c. Full

    d. Incremental

79. **Which one of the following is not a basic construct type of programming statements?**

    a. Sequence

    b. Selection

    c. Computation

    d. Iteration.

80. **Recently, you installed server hardware at a client's place of business. The client contacts you to complain that the server is functioning erratically. After observing the server's symptoms, you suspect the problem is being caused by the RAM. What process will help you to isolate this problem?**

    a. Remove all the memory modules and restart the Server

    b. Remove and replace one single RAM module at a time and observe the beeps

    c. Just replace all the RAM modules and restart the server

    d. None of the above

81. **Match the name on the left to the description on the right that best describes it.**

a. Hot swap	1.requires the powering down of a system to affect replacements or repairs.
b. Cold swap	2. The immediate switchover or replacement of a failed component completed while a system remains fully operational
c. Warm swap	3. The suspension of operations, although still powered, to affect the replacement of a failed component

82. **Which of the following is a Linux system filesystem?**

    a. NTFS

    b. VMFS

    c. ReFS

    d. ext4

    e. None of the above

83. **Which one of the following is not a phase in a data life-cycle management program?**

    a. Capture

    b. Storage

    c. Archival

    d. Warehouse

84. **Which of the following is best described by “a vulnerability that could be exploited by a threat actor, who has a specific motivation, to cause damage, destruction, or loss”?**

a. Attack

b. Breach

c. Risk

d. Mitigation

85. **All failovers are considered to be active-passive.**

a. True

b. False

86. **Which of the following describes the RF frequency concept of refraction?**

a. The signal passes through the surface.

b. The is reflected, typically at an angle.

c. The surface absorbs the signal.

d. None of the above.

87. **Which of the following is a condition that an environmental monitoring system is used to detect?**

a. Temperature

b. Humidity

c. Voltage and Power

d. Smoke

e. All of the above

f. None of the above

88. **Which of the following best describes a privileged user account on a Windows system?**

a. A standard user account with parental controls.

b. Accounts with the highest rights and privileges.

c. Uses an e-mail address for access to many Microsoft devices and services.

d. A basic user account.

89. **Which one of the following is not one of the three levels of cable testing?**

a. Verification

b. Tensile

c. Qualification

d. Certification.

90. **Overprovisioning allocates more of a resource than is needed by a VM.**

a. True

b. False

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